

1 the overall connectivity and investment in the  
2 infrastructure, you wouldn't be able to get all  
3 the benefit out of the 5Gs unless a holistic  
4 approach is taken towards building that  
5 infrastructure overall.

6 MR. BARTOLOME: Verné, just one quick  
7 question for you before we move on to the next  
8 participant. You mentioned satellite as a  
9 platform being used by some of your healthcare  
10 facilities. Have they found satellite to be  
11 sufficient in providing the variety of  
12 broadband-enabled services like telehealth with  
13 respect to their patients using satellite as a  
14 platform?

15 MS. BOERNER: It has been utilized as a  
16 backup so when microwave is not available then  
17 they revert back to satellite. So, yes, it has  
18 helped but it is not the number one choice.

19 MR. BARTOLOME: Okay, got it. Well,  
20 thank you very much for your comments, Verné, we  
21 really appreciate it. Justin, could you please  
22 announce the next participant?

1                   OPERATOR: Certainly. Next we have Eric  
2 Brown, President of California Telehealth  
3 Association. Your line is open.

4                   MR. BROWN: Good afternoon. So, it's  
5 California Telehealth Network. I just wanted to  
6 comment on your question with regards to whether  
7 or not consumer health needs are going to provide  
8 sufficient incentives to drive broadband deeper  
9 into underserved areas. My observation about that  
10 is here in California where we serve over 350  
11 clinics and hospitals, many of them in rural  
12 areas, most of the rural broadband providers, in  
13 particular the smaller ones like the gentleman who  
14 spoke earlier that are serving rural areas,  
15 remember they're not participating necessarily in  
16 the clinical side of service delivery related to  
17 telehealth; they're providing broadband. That is  
18 not their business line. Many of them quite  
19 frankly are a little wary of it because of the  
20 HIPAA requirements and that kind of thing. So,  
21 they're just trying to figure out how to come up  
22 with a business model that makes sense to deploy

1 broadband deeper into rural and unserved areas.

2           So, to answer the question, I don't  
3 think that's the solution. I do think the  
4 solution, based on what we've seen in rural  
5 California, in our many communities that remain  
6 unserved from a broadband standpoint, is when we  
7 have the capability to aggregate the needs of the  
8 safety net intuitions in those rural communities  
9 -- by that I mean not just the healthcare but also  
10 the schools and libraries, the public safety  
11 facilities, et cetera -- then we begin to see a  
12 business model that makes more sense.

13           So, I would encourage the Commission,  
14 from a policy standpoint, an approach that  
15 specifically for rural begins to breakdown some of  
16 the silos around the funding sources. As an  
17 example, the Connect America Fund in California  
18 has only three providers that can access those  
19 funds. They're all big providers. That's not to  
20 disparage them but, again, for a lot of these  
21 communities that have very rural and small  
22 providers it's not an option for them.

1           The last thing I'll say and then give up  
2     the mic is as people have been hinting in their  
3     previous comments there is no one-size-fits-all  
4     solution but to fill in the gaps that are not  
5     being served by these commercial providers -- and  
6     I used to be one -- I think it's going to take  
7     either local consortia or regional consortia or  
8     non-profit oriented entities because if the  
9     for-profit folks were going to serve, the chances  
10    are it would have been served by now. So, in  
11    order to come up with the right solution, the  
12    right hybrid networks that look at wireline and  
13    wireless and 5G and all those kinds of things,  
14    it's difficult to do that when everybody's got a  
15    profit motive involved with the initiative.

16           MR. BARTOLOME: Great. Thanks very  
17    much, Eric. Justin?

18           OPERATOR: Next we have the line of  
19    Everette Bacon, President of the National  
20    Federation of the Blind. Your line is open.

21           MR. BACON: Can you hear me?

22           MR. BARTOLOME: Yes, we can, Everette.

1 Thank you very much for joining us.

2 MR. BACON: I'm actually a board member  
3 with the National Federation of the Blind. I'm  
4 the President of the Utah affiliate. We have a  
5 national organization out of Baltimore, Maryland.  
6 We are the largest and oldest consumer advocacy  
7 organization of blind people for blind people. We  
8 have affiliates in every single state as well as  
9 chapters and members all over the country.

10 We estimate there's 1.4 million  
11 blind/low-vision individuals across the country in  
12 rural areas. The biggest things, challenges we  
13 are facing, are definitely with regards to  
14 accessibility. With regards to accessibility for  
15 telehealth some of the things that we're noticing  
16 are patient portals that people need to access.  
17 The problem is that they are not accessible to a  
18 screen reader, they have not gone through any kind  
19 of regulations. We do recommend that the web  
20 accessibility 2.0 guidelines be used. These  
21 guidelines have been in place for quite some time  
22 through the world wide web consortium, but there's

1       actually no regulations in place to have those  
2       guidelines be enforced or used. And that's part  
3       of the problem. So, blind individuals that might  
4       have the ability, have a computer or a phone  
5       that's accessible, they can't access the patient  
6       portals, it doesn't read to them.

7               The other issue is devices. Medical  
8       devices that are needed for blind people, things  
9       like CPAP machines, things like blood glucose  
10      monitors, and things like that, those have digital  
11      displays, digital readouts that, again, have not  
12      been made accessible, so a blind individual cannot  
13      get that information themselves. The thought that  
14      we notice that people seem to have is that blind  
15      people readily have a spouse or some kind of  
16      caregiver that can read this information to them  
17      or can help them with this information, and that's  
18      simply not the case in many instances. And it's  
19      also not the case that blind people want to be  
20      able to access that information themselves, it's  
21      important to them, it's their privacy.

22               So, we would implore that you consider

1 the accessibility in how you look at this in the  
2 future. We thank you for your time and thank you  
3 for this opportunity.

4 MR. BARTOLOME: Absolutely. Thank you  
5 very much, Everette. Justin, is there anyone else  
6 in queue for the first topic? If not, we can move  
7 on to the second.

8 OPERATOR: We have no one further in  
9 queue at this time.

10 MR. BARTOLOME: Great. It looks like  
11 there may be some new participants on the phone.  
12 Can you please announce them if you're able to?

13 OPERATOR: Certainly. It looks like we  
14 have now been joined by the line of Sherita  
15 Kennedy of the FCC, Elaine Gardner as well from  
16 the FCC, and Jon Windhausen of the SHLB Coalition.  
17 I don't show any further late entries here for us.

18 MR. BARTOLOME: Thank you, Justin. So,  
19 let's now move on to the next topic on broadband  
20 health adoption. On this we would appreciate your  
21 input as to how we can further promote and foster  
22 broadband health adoption and close the divide.

1       Some of the participants have already touched on  
2       this topic, but I want to make sure there's an  
3       opportunity for others who may have additional  
4       comments to make with respect to this topic to do  
5       so now.

6               So, with this in mind, please press \*  
7       then 1 to queue up if you have any comments. The  
8       question is do you have any suggestions as to how  
9       the FCC and its Task Force can further increase  
10      consumer awareness in adoption of broadband health  
11      technology solutions and services generally, and  
12      specifically for certain population groups that a  
13      lot of experts contend continue to experience  
14      digital divide issues and are medically  
15      underserved, for example the economically  
16      disadvantaged, seniors, people with disabilities,  
17      native Americans, and veterans. We'd appreciate  
18      any comments from any of you on this topic.

19              OPERATOR: It looks like first we have  
20      the line of Dr. Doug Waite, Medical Director of  
21      Children's Village. Your line is open.

22              DR. WAITE: I'm not sure if this fits



1       into the previous topic or this one, but I really  
2       forgot to mention one of the biggest things for  
3       physicians is cross-state licensure. The American  
4       County Pediatrics and multiple telemedicine  
5       organizations have brought this issue up and I'm  
6       not sure if the FCC is the person to do this, but  
7       this is something that probably would have to take  
8       place at the federal level, and maybe as an  
9       exemption specific to telemedicine as long as the  
10      physician is licensed in one of the  
11               states. When we begin to talk about  
12      specialty  
13               services as multiple people have  
14      mentioned it's not always possible for someone in  
15      a single state to see a specialist, especially for  
16      something that is not well-known to a lot of  
17      physicians like fetal alcohol spectrum disorders  
18      and developmental disabilities. So, I just wanted  
19      to put that plug in.

20             MR. BARTOLOME: Dr. Waite, actually  
21      while I have you on the phone I think I recall  
22      from the bio that you sent us that you've

1 initiated telemedicine clinic with the National  
2 Organization for Fetal Alcohol Syndrome. I wanted  
3 to ask you how telemedicine could actually be used  
4 to help address fetal alcoholism particularly on  
5 tribal lands. Can you comment on that please?

6 DR. WAITE: This is in its infancy. I'm  
7 working with NOFAS, a national organization for  
8 fetal alcohol syndrome on this because as we know  
9 these kids are not being diagnosed. A lot of them  
10 are in foster care and adopted. We get calls all  
11 the time of people desperate, really from across  
12 the United States, to just get their kid diagnosed  
13 because no one has been able to diagnose them and  
14 they've not been able to get services, no one is  
15 understanding what's going on with their kid.

16 In tribal lands I would say this is even  
17 more critical because of the lack of providers,  
18 and probably also lack of access is another piece  
19 of this. This would be a very easy thing to do  
20 because a lot of times we can get school reports  
21 with psychological testing, we can interface with  
22 the people themselves, the exams. While initially

1       it was a big deal for fetal alcohol syndrome we  
2       now know that the physical exam findings are a  
3       small component of the greater neurological  
4       neurodevelopmental disabilities. So, it really  
5       becomes something more like the kind of diagnosis  
6       that a psychiatrist might make.

7               MR. BATOLOME: Great. Thank you again,  
8       Dr. Waite. Justin, can you please announce the  
9       next person in queue?

10              OPERATOR: Certainly. Again we'll go to  
11       the line of Verné Boerner of Alaska Native Health  
12       Board. Your line is open.

13              MS. BOERNER: Thank you so much. I  
14       apologize for misunderstanding the overall format.

15              MR. BATOLOME: No problem, Verné.

16              MS. BOERNER: I did want to add one  
17       thing to the adoption issue as far as having  
18       general community access. I had mentioned that  
19               percent of rural Alaska does not have  
20       access but there is underutilized capacity, and  
21       perhaps there's some sort of way to utilize the  
22       underutilized capacity which regulations prohibit

1 currently outside of the actual health program.  
2 If that is made available during off hours or some  
3 other way we might be able to increase community  
4 involvement and therefore adoption of broadband in  
5 rural communities.

6 MR. BARTOLOME: Great. Thank you very  
7 much, Verné. Go ahead, Justin. Announce the next  
8 person in queue please.

9 OPERATOR: Certainly. Next we'll go to  
10 the line of David and Nikki with CSD,  
11 Communications Service for the Deaf. Your line is  
12 open.

13 MR. SOUKUP: Just one moment please.

14 MR. BARTOLOME: Sure, not a problem.

15 MR. BAHAR: Hi. Just to let everyone  
16 know, the connection between the interpreter and  
17 myself is a little choppy so I'm going to do my  
18 best here to communicate our thoughts.

19 This is David Bahar and I actually had  
20 my hand raised for the previous topic. I did want  
21 to respond to the point that was made about the  
22 thorny policy issue that we need to address, and

1       that being funding for broadband converge and the  
2       costs of funding that only requires 10m down, 1m  
3       up if everyone follows there. Unlike the FCC's  
4       definition of broadband which is 25/3 and which is  
5       sufficient for deaf and hard of hearing people to  
6       be able to participate in group video chats which  
7       really are necessary for things like telemedicine  
8       and telehealth applications where you can video in  
9       an interpreter, a medical professional, and the  
10      deaf or hard of hearing person. 10/1 does not  
11      meet the requirement for that type of telemedicine  
12      applicability.

13                So, by continuing to require only 10/1  
14      connections for the high-cost funding that really  
15      leaves out a number of service options quite  
16      frankly for deaf and hard of hearing people who  
17      live in more rural areas across the country. So,  
18      I do think it is crucial for accessibility  
19      purposes to look at upping the requirements to  
20      meet the FCC standard for broadband and that would  
21      be at 25/3.

22                In addition, I would also like to

1 discourage the FCC from revising that standard of  
2 25/3 downward. It really is imperative that it's  
3 maintained. The moment that you reduce the speed  
4 requirements you are risking harm being done to  
5 the availability of services and the communication  
6 options for deaf and hard of hearing people who  
7 rely on the video connection for the use of their  
8 native language. That really is my comment to  
9 address that first topic.

10 Moving on to the topic that we're  
11 currently discussing, the second question that was  
12 posed, I do have some comments regarding how we  
13 could increase the adoption of telemedicine  
14 specifically in rural areas among deaf and hard of  
15 hearing people. There was some years ago a  
16 program under the National Telecommunications  
17 Information Association that allowed individuals  
18 that connected, low-income, rural deaf and hard of  
19 hearing people who were not able to afford  
20 broadband or were not able to afford mobile  
21 devices to be able to access broadband. And in  
22 that program which was run for three years it's

1       entirety they made over 13,000 with members of the  
2       deaf and hard of hearing community throughout the  
3       United States and they provided subsidized  
4       broadband services to them and devices as well  
5       that they could use in order to access it, one  
6       example being iPads. At the end of that program  
7       they surveyed all of the participants in the  
8       program and they found that a higher percentage  
9       than was expected did have access to broadband.  
10      You did not expect that result but that was  
11      wonderful.

12                So, I guess it's kind of a mixed bag  
13      there because many of them did have broadband and  
14      they were paying for services that they couldn't  
15      necessarily afford. However, because of the  
16      communication requirements requiring internet to  
17      make the video calls in sign language they were  
18      essentially having to prioritize certain services  
19      over the other and that really isn't applicable to  
20      increasing adoption of these types of things when  
21      it comes to telemedicine and telehealth programs  
22      specifically. There is something similar, a

1 lifeline program and another that are actually  
2 crucial and they're doing what they can to make  
3 sure we are increasing the access given to deaf  
4 and hard of hearing individuals in rural areas.

5           In regard to adoption specifically, we  
6 have found that there is one very specific  
7 challenge was an incredibly low number in the  
8 digital literacy of said individuals, specifically  
9 deaf and hard of hearing people in rural areas,  
10 that we had surveyed. It was much, much higher  
11 than we had expected. And that we realized does  
12 prevent a number of them from using the internet  
13 connection that they might have or use that  
14 internet- connected device that was given to them  
15 as a part of the program. So, for example,  
16 they're being handed a device but then don't know  
17 how to use it. And we think that that really is a  
18 barrier to the adoption of services and that could  
19 lead to another barrier in accessing the medical  
20 services as well.

21           We do know we've come a long way and a  
22 lot has been done to improve the adoption of



1 telemedicine and health in the deaf and hard of  
2 hearing community, but to make sure that it  
3 happens we need to make sure that those providers  
4 are trained and make sure that we are training the  
5 deaf and hard of hearing users as well on how they  
6 can use those types of systems. That really does  
7 need to be emphasized in my view.

8 MR. BATOLOME: Great. Thank you very  
9 much, David, for your comments, and thank you  
10 Madam Interpreter. Justin, is there anyone else  
11 in queue for topic number 2?

12 OPERATOR: At this time we have no one  
13 further in queue.

14 MR. BARTOLOME: Thank you, Justin.  
15 We'll now move on, ladies and gentlemen, to our  
16 third topic. Some of you have already commented  
17 on this, and it's the FCC's Rural Healthcare  
18 Program.

19 Just briefly for those participants who  
20 may not be familiar with the Program, the Program  
21 provides funding to eligible healthcare providers  
22 for telecommunications and broadband services

1       necessary for the provision of healthcare. The  
2       underlying goal is really to provide the quality  
3       of healthcare available to patients in rural  
4       communities by ensuring that eligible healthcare  
5       providers have access to telecommunications and  
6       broadband services. Currently funding for the  
7       Program is capped at \$400 million annually and  
8       we're certainly aware, and as some of you have  
9       commented, that demand for funding under this  
10      program is increasing.

11               So, we'd like to hear from you now.  
12      Anyone interested please comment on this topic,  
13      especially for those of you who have participated  
14      in the Program. I'll pose the following question:  
15      Do you think the FCC's Rural Healthcare Program as  
16      a whole, including its regulatory framework and  
17      the manner in which it is administered, remains  
18      effective and is keeping pace with the changes in  
19      the delivery of healthcare and technological  
20      developments? If not, what actions or changes  
21      would you recommend that the FCC make to the RHC  
22      Program and potentially other universal service

1 programs given its authority? Please press \*1 now  
2 to comment on this question.

3 In particular if John Windhausen with  
4 the Schools, Health & Libraries Broadband  
5 Coalition is on the line we'd appreciate your  
6 comments on this question. But it looks like we  
7 have several folks. Justin, can you announce the  
8 next person in queue?

9 OPERATOR: Absolutely. Next we go to  
10 the line of Hank Fanberg of CHRISTUS Health. Your  
11 line is open.

12 MR. FANBERG: Thank you. And thank you  
13 for the opportunity. Let me also extend that I,  
14 technically, was the Project Coordinator for the  
15 FCC Rural Healthcare Pilot Program in Texas. Just  
16 a couple of general comments to the question.

17 The Rural Health Program I think is a  
18 very important and critical program, but the pace  
19 of change and technology in general in the  
20 adoption of technology by healthcare facilities  
21 and the need now to send simultaneously data,  
22 video, needs for bandwidth that are increasing,

1       that I would characterize the greatest need is in  
2       flexibility with the Program and with the  
3       regulations of the Program. There needs to be  
4       flexibility in contracting; not all the time does  
5       it make sense to have a multiyear contract with a  
6       particular service provider. So, there needs to  
7       be some flexibility and new thinking in how best  
8       to provide contracting with service providers in  
9       different situations, perhaps even some of the  
10      situations that were discussed by the people  
11      representing different needs and different  
12      entities earlier.

13               There needs to be a flexibility in the  
14      funding, I think everyone would agree. Since the  
15      requests for funding exceeded the amount last year  
16      we're all still kind of waiting to see how much  
17      the requests were for this fiscal year now. So,  
18      there needs to be flexibility in the funding to  
19      increase the funding.

20               There needs to be flexibility in how we  
21      are able to use the broadband. I think USAC has  
22      been doing really a good job with what I perceive

1 to be limited resources over the past probably 12  
2 months, but I think the FCC has more regulatory  
3 authority to make changes than it's been willing  
4 to accept, in my opinion, up until this point in  
5 time. So, flexibility is the key.

6 MR. BARTOLOME: Great. Thank you very  
7 much, Hank. Justin, can you please announce the  
8 next person?

9 OPERATOR: Absolutely. It looks like we  
10 have Verné Boerner again of Alaska Native Health  
11 Board. Your line is open.

12 MS. BOERNER: Hi, there, thank you  
13 again. I just wanted to respond to your questions  
14 that you had posed in addition as to the value as  
15 a whole and is it keeping pace. So, the answer as  
16 far as the Alaska Tribal Health System is  
17 concerned is an absolute yes. I think it's been a  
18 great example of partnership between the tribes  
19 and the FCC, so that definitely is yes.

20 Then keeping pace. One of the things  
21 that I would say is not keeping pace is the cap  
22 has been implemented, it's not congressionally

1 mandated, and that it has not changed since it's  
2 been implemented although the eligibility has been  
3 broadened and there's a broader use or broader  
4 access to the funds but the funds themselves have  
5 not changed pace with either inflation or  
6 increased eligibility for that. Those are my  
7 additional comments. Thank you so much.

8 MR. BARTOLOME: Thank you very much,  
9 Verné. Go ahead, Justin.

10 OPERATOR: Next we have the line of Eric  
11 Brown with the California Telehealth Network. Mr.  
12 Brown, your line is now open.

13 MR. BROWN: Thank you. I think the  
14 comments I would leave with you with regards to  
15 the Rural Healthcare Program are number one, I  
16 think it is clearly time to revisit the amount of  
17 allocation, the \$400 million. The folks that I've  
18 talked to historically have indicated that there  
19 wasn't a strong justification for arriving at that  
20 number in the first place, but whether or not  
21 there was I would certainly be in favor of taking  
22 a fresh look at what should the allocation be

1     given the realities of today's healthcare  
2     landscape and the number of healthcare providers,  
3     et cetera, because the current situation where  
4     we're managing through the cap with funding  
5     windows and so forth, as has been said, is  
6     creating a lot of uncertainty. We're finding that  
7     that is becoming problematic with regards to  
8     getting the sites for whom the program is most  
9     intended to participate. They simply can't wait  
10    to try to figure out what the discount is going to  
11    be.

12           I also think that per the comments that  
13    SHLB, John Windhausen, and that group of which  
14    we're members and others have filed in the past,  
15    there really needs to be another look at the  
16    discount rate itself as it relates particularly to  
17    rural America versus the non-rural sites. When we  
18    look at what the subsidy amounts are in comparison  
19    to, for instance E- Rate, again it would suggest  
20    that maybe there is something that needs to be  
21    done there even if we had to come up with a tiered  
22    system for higher rates in rural communities

1       versus urban communities.

2               Those would be the top comments. We love  
3       the Program, we just think it's time for it to be  
4       updated and enhanced.

5               MR. BATOLOMTE: Understood. Eric, just  
6       one quick question for you before we move on to  
7       the next participant. Setting aside the monetary  
8       cap for the Program, do you have a suggestion as  
9       to how we can better ensure that the rural areas  
10      of your state and other states that have  
11      significant health issues and have significant  
12      need for connectivity solutions get funding?

13              MR. BROWN: Well, I'm reminded that when  
14      you apply for grants or funding -- I know these  
15      aren't grants, these are subsidies -- usually it's  
16      either based on merit or on competition. This  
17      seems to be a little bit of both now because of  
18      the funding cap. I think that what I would like  
19      to see, certainly with regard to rural  
20      communities, is I've got a half dozen rural  
21      communities in California that we've been trying  
22      to -- these are critical access hospitals, tribal



1 health facilities, rural health clinics, that  
2 we've been trying to get fiber-based broadband to  
3 so that they could do telemedicine, do duplex  
4 video communication for seven years. And we  
5 haven't been able to do it because even with the  
6 Healthcare Connect Fund had a 65 percent subsidy.

7 Again, standing on its own, we can't  
8 make it pencil out. So, I go back to my comments  
9 earlier around maybe if there's the ability to use  
10 the funds in conjunction with other federal  
11 funding for schools, libraries, public safety, et  
12 cetera, I could see us in at least half of those  
13 cases coming up with a viable solution.

14 MR. BARTOLOME: Thanks very much, Eric.  
15 Justin, will you please announce the next  
16 participant?

17 OPERATOR: Certainly, thank you. So,  
18 next we'll go to the line of Eric Brown of  
19 Telehealth Network.

20 MR. BARTOLOME: I think that was just  
21 Mr. Brown.

22 OPERATOR: I apologize. Next we have

1 the line of John Windhausen who is with the SHLB  
2 Coalition.

3 MR. BARTOLOME: Great, thank you,  
4 Justin.

5 MR. WINDHAUSEN: Hi, this is John.  
6 Thanks for having me on. I have four points that  
7 I'd like to make which I'll do as quickly as I  
8 can.

9 First, in response to your questions,  
10 the first question was in the Program valuable.  
11 Yes, it's enormously valuable, in fact it's a  
12 shame that it's the smallest of the four universal  
13 service funded programs when arguably the  
14 healthcare program should be at least equal in  
15 size to the other three universal service fund  
16 programs. So, it's enormously important.

17 I would also add that I fully support  
18 the comments from our friends in Alaska, but this  
19 is not just an Alaskan issue. We've heard from  
20 California but we also have rural telehealth  
21 networks in Utah, and New Mexico, and New England,  
22 and Arkansas, and other places around the country

1     where this rural health connectivity is vitally  
2     important to extending both the quality of care  
3     and the cost of care is much cheaper if you use a  
4     telemedicine solution which is increasingly  
5     important as we face this critical shortage of  
6     hospitals in rural areas. So, I'd say this is a  
7     national problem that's critically important for  
8     the FCC to address.

9             You asked a question about whether the  
10    Program has kept up with the changes in the  
11    marketplace in demand. Absolutely it has not.  
12    The obvious point being that it's 20 years since  
13    the cap was set at \$400 million and just inflation  
14    alone would argue that the cap should be \$700 to  
15    \$800 million. But there are other changes that  
16    have taken place as well. The addition of stilled  
17    nursing facilities by Congress means that there  
18    are additional eligible applications for this  
19    Program and that's wonderful and very worthwhile  
20    but it does add stress to that \$400 million cap.

21            The other change that I just learned  
22    about a couple of hours ago today that I didn't

1 appreciate until I went to this ATA briefing on  
2 Capitol Hill. They talked about the increase in  
3 bandwidth demands that has been required because  
4 of electronic health records, and the fact that  
5 the 2009 stimulus bill encouraged all providers to  
6 adopt electronical medical records. Those really  
7 began to take off in the rural markets between  
8 2013, 2015. So, just one provider gave an example  
9 that the average bandwidth demand per site grew  
10 from 7 megabits per second in 2013 to 317 megabits  
11 per second in 2015. So, just in two years the  
12 bandwidth demands just exploded. So, that's  
13 another example of why the cap really needs to be  
14 raised and the percentage taken a look at.

15 In response to your other question to  
16 Eric about the priority for rural areas, I think  
17 we're all in agreement about the needs for rural  
18 areas. One idea that I'll just throw on the  
19 table, I can't say we necessarily endorse this yet  
20 but it ought to be looked at, as whether you could  
21 provide some sort of a guarantee or priority  
22 funding for the rural health clinics and their

1 connectivity. So, that would help to provide some  
2 certainty going forward and would help these  
3 telehealth networks with their planning purposes,  
4 whatever the percentage is, and probably should be  
5 increased for those rural providers. But also if  
6 they could be accompanied with a priority system  
7 or guarantee that that funding will continue to  
8 flow, that I think would help, as I said, the  
9 certainty and also provide some stability going  
10 forward.

11 Now, obviously that leaves the question,  
12 well, the second priority, what happens to them?  
13 And that's still something that needs to be  
14 thought through. So, I'm not necessarily  
15 wholeheartedly endorsing the idea yet but I think  
16 it is something worth talking about. Thank you.

17 MR. BARTOLOME: Thank you, John. Just  
18 one quick question for you. Is the SHLB  
19 Coalition, would it prefer some sort of priority  
20 mechanism as opposed to the current pro rata  
21 approach with respect to available funds?

22 MR. WINDHAUSEN: Well, that's exactly

1        what I'm putting on the table for discussion. I  
2        know there was a priority system in place for the  
3        E-Rate Program and then the FCC moved away for  
4        that once it found more funding. So, if we can  
5        fully fund the Program, and doubling the amount of  
6        money I think is a reasonable place to look at  
7        doubling the Program. Maybe you don't need any  
8        kind of a priority system at that point because  
9        then the funding would be there. But if the  
10       funding is not available to fully fund it at the  
11       \$800 million and you're stuck with the \$400  
12       million cap maybe there needs to be a priority for  
13       the rural connections.

14                MR. BARTOLOME: Great, thank you very  
15       much, John. Justin, would you please announce the  
16       next participant?

17                OPERATOR: Certainly. Next we'll go to  
18       Jon Zasada with APCA. Your line is open.

19                MR. ZASADA: Good morning, and thank you  
20       for this opportunity. I'm with the Alaska Primary  
21       Care Association. We support the activities of  
22       Alaska's 26 federally qualified health centers

1       that operate at 179 sites throughout the state. I  
2       really don't want to belabor the points that have  
3       been made by my colleagues, Connie Beemer and  
4       Verné Boerner, or those made by John Windhausen.

5               Again, we have found great value in the  
6       Rural Health Program. It has until 2016 largely  
7       kept up with changes that our rural clinics have  
8       experienced. The state of Alaska has largely  
9       built its medical system on the promise of  
10      affordable high-speed dedicated internet at sites  
11      throughout the state through a variety of  
12      different technologies.

13             It became inadequate in 2016 when fears  
14      of proration came to reality. We have providers  
15      that are looking for lower-cost redundant backups,  
16      potentially cutting the types of imaging referrals  
17      that they send out, and even looking at different  
18      types of backup for their electronic health  
19      records if they were to not be able to afford the  
20      internet that they are using.

21             In regards to the regulatory framework  
22      of the Program, I know there have been some

1       conversations regarding whether the application  
2       process is too onerous or too easy and what the  
3       ramifications could be if it was made more easy  
4       and potentially more folks would apply for the  
5       available funds. It's a difficult situation for  
6       our providers. Most of them do not use  
7       consultants in their application process and we  
8       provide technical assistance in order to make sure  
9       that they are fully compliant heading into any  
10      given year. So, it would be a benefit if it were  
11      less onerous but at the same time we want to make  
12      sure that there is adequate funding for the safety  
13      net in frontier providers of which we are.

14               I think that pretty much concludes what  
15      I had to say. Again, we absolutely support an  
16      increase to the fund. We've also heard  
17      conversations that there could be an effort to  
18      seek additional funding of RHC potentially through  
19      the Department of Health and Human Services.  
20      We're wary of that approach. We currently believe  
21      that the universal service charge is a good way to  
22      fund this Program. We fear that seeking



1 additional funding through Health and Human  
2 Services could put additional pressure on the  
3 range of programs that they currently fund. So,  
4 that's one other thing that we've been starting to  
5 hear about here just in the last two weeks. With  
6 that I'll conclude my comments, thanks.

7 MR. BARTOLOME: Great. Thank you very  
8 much, Jon. Justin, please announce the next  
9 person in queue.

10 OPERATOR: Certainly. Again, we'll got  
11 to the line of David and Nikki with CSD  
12 Communications for the Deaf. Your line is  
13 currently open.

14 MS. SOUKUP: Hi, everyone. This is  
15 Nikki speaking. I am with CSD Communication  
16 Services for the Deaf. I want to talk  
17 specifically about what the FCC could add to their  
18 current requirements and considerations going  
19 forward.

20 Maybe you know that CSD was originally  
21 founded in South Dakota several years ago. South  
22 Dakota is largely rural. Since that time CSD has